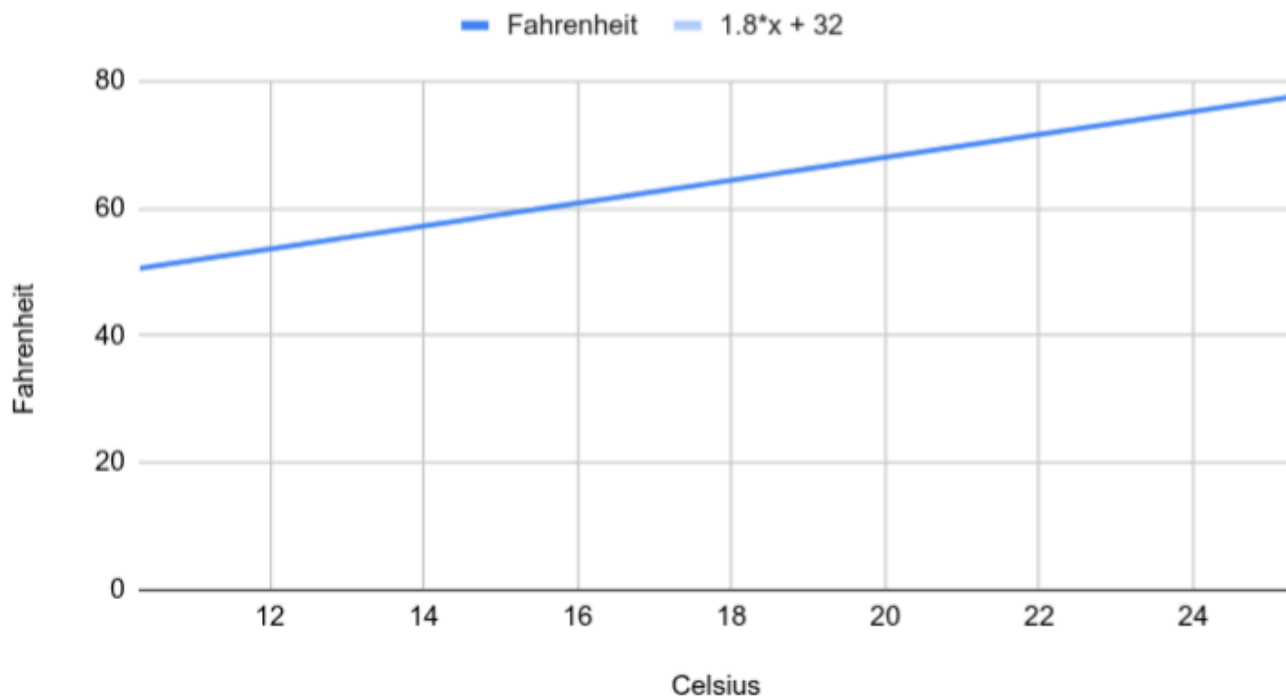


# Temperature in Color Results

---

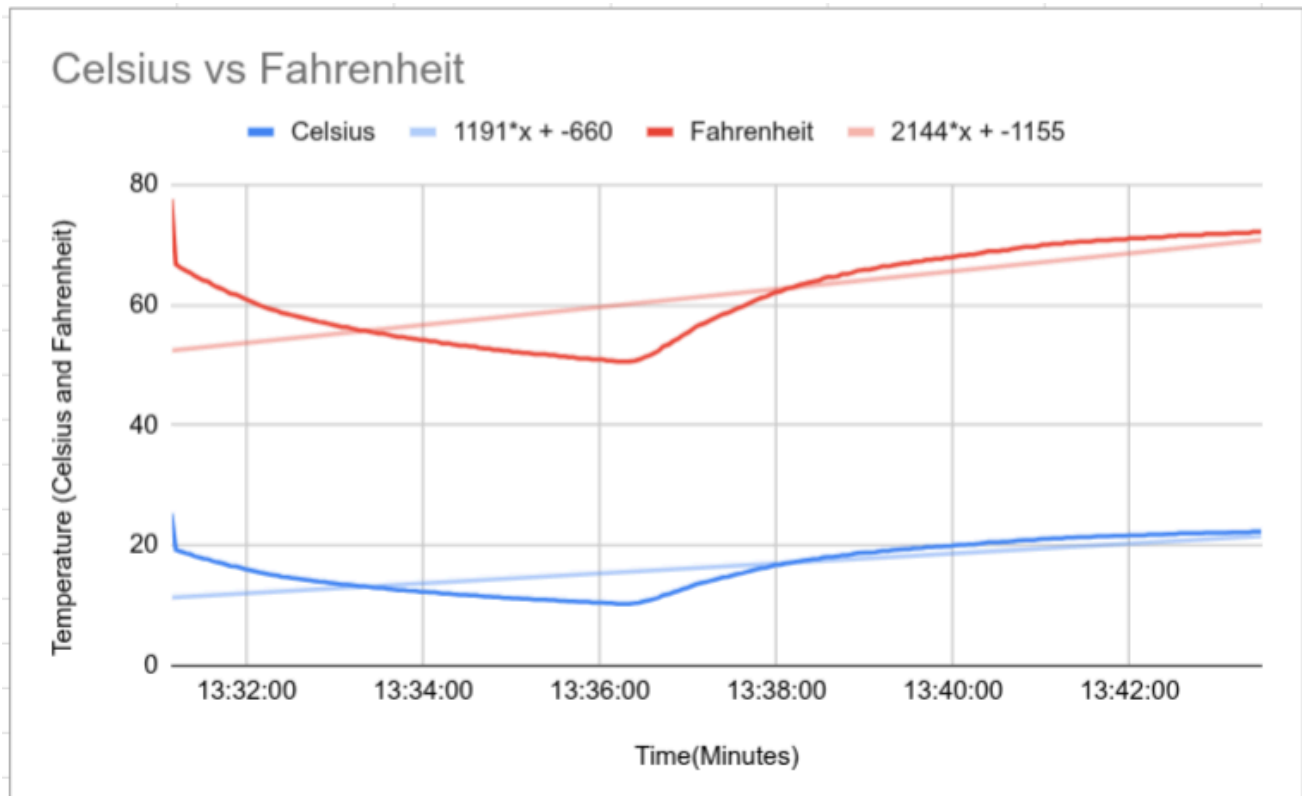
Fahrenheit vs. Celsius



What is the equation of the line of best fit

- i.  $y = 1.8x + 32$  (or  $f = 1.8c + 32$ )
- ii. This makes sense because Celsius and Fahrenheit are both measurements of temperature. In order to convert Celsius to Fahrenheit, it follows that same equation...x

being the degree of Celsius.



- i. A linear model best represents the data.
- ii. The line of best fit in Fahrenheit is  $y = 2144x - 1155$ 
  - The line of best fit in Celsius is  $y = 1191x - 660$
- iii. This makes sense for representing temperature because it shows how temperature changes over time. The data shows how temperature increases or decreases over a certain time based upon an external condition (Box with an ice pack in it vs removal of the box returning to room temp.)